This document is an unofficial supplement to the
National Camera Pentax K1000 service-repair manual.

The photos are from a K1000 unless otherwise noted (Spotmatic), and supplement those figures from the manual, which were not very well rendered in the photocopying.
These photos were taken during disassembly, and show the sad state that this camera was in.

It is hoped that these photographs will help the user in understanding the repair and servicing and a straight forward CLA for the K1000.

The level of service performed was a ‘minor’ plus service. I did not explore the servicing of the curtains, timing, etc. since I have no shutter tester. Images for those topics are not contained in this document.

-- Ed Gabrielle 5/2021

Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

Figure 6

Figure 7

Figure 8

Figure 9

Figure 10

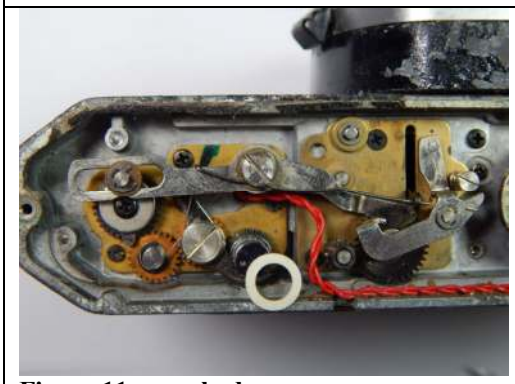

Figure 11 uncocked

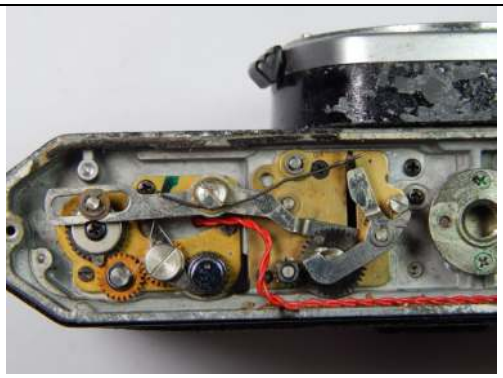

Figure 12 cocked

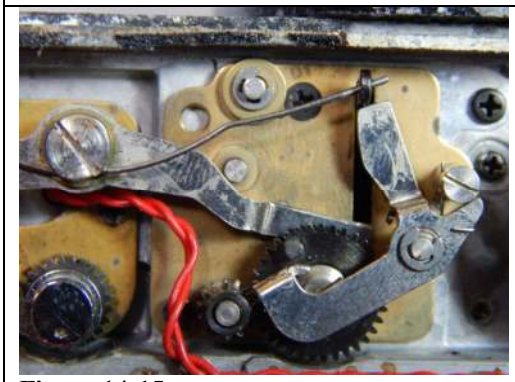

Figure 14-15

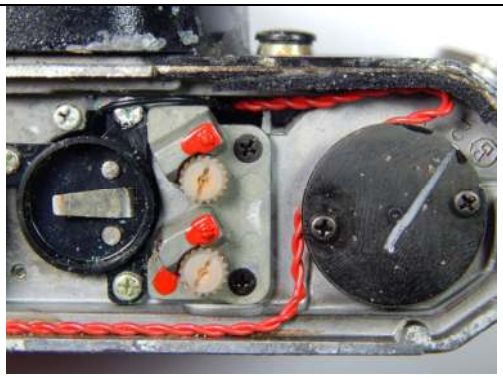

Figure 16

Figure 17

Figure 18

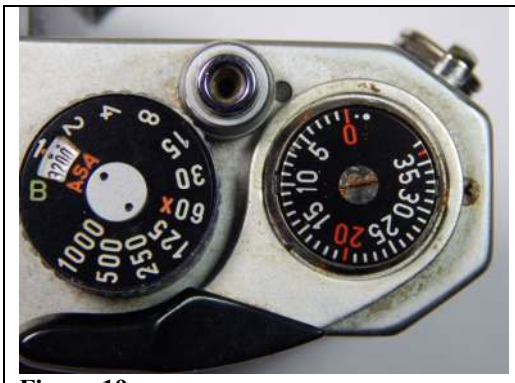

Figure 19

Figure 20

Figure 21

Figure 21a

Figure 22

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Figure 26

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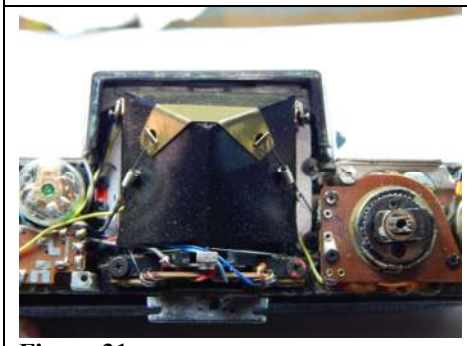
Figure 29

Figure 29a

Figure 30



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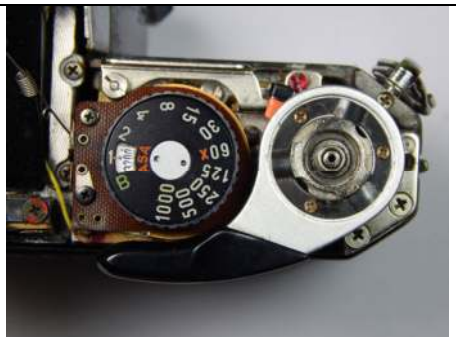

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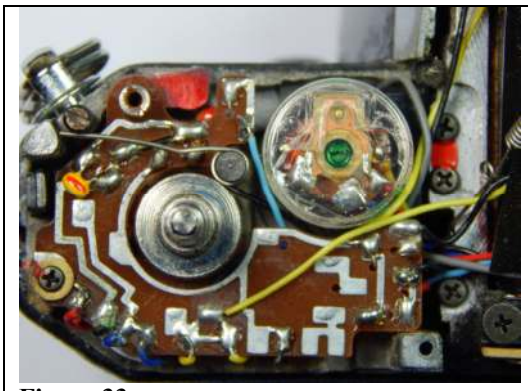

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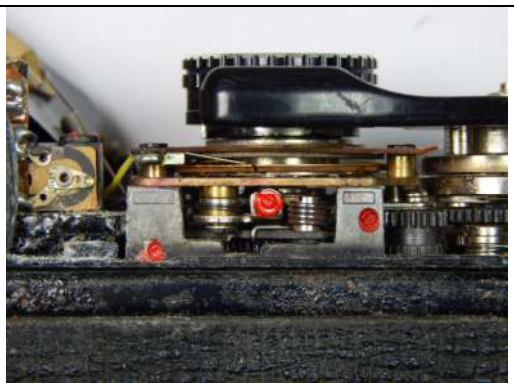

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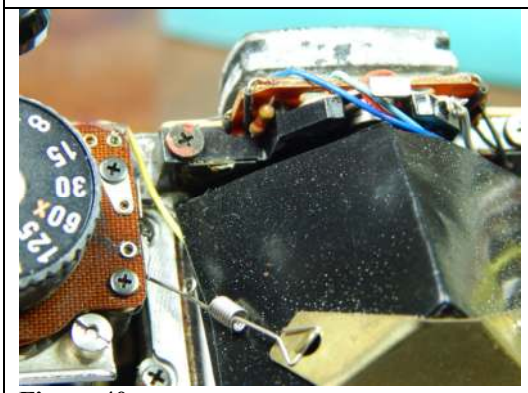

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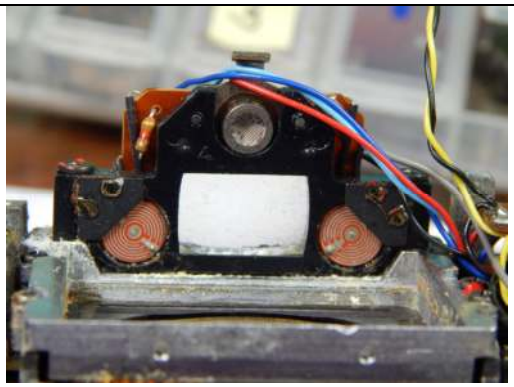
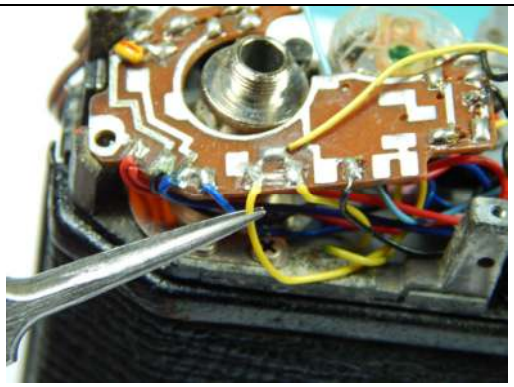


Figure 41

Figure 43



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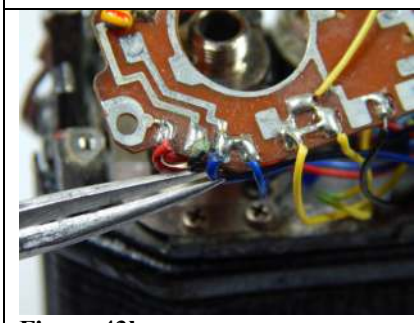

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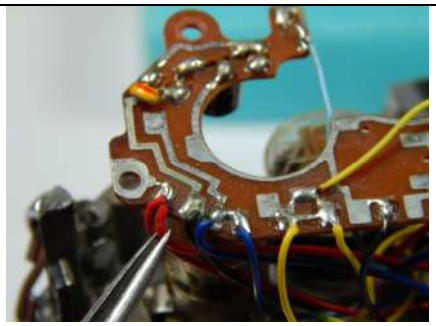

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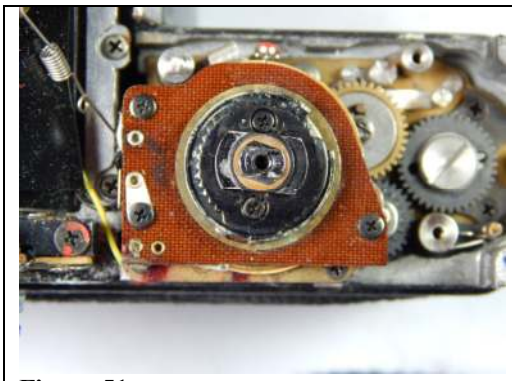

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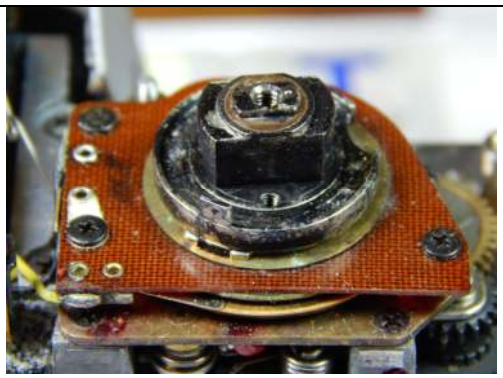

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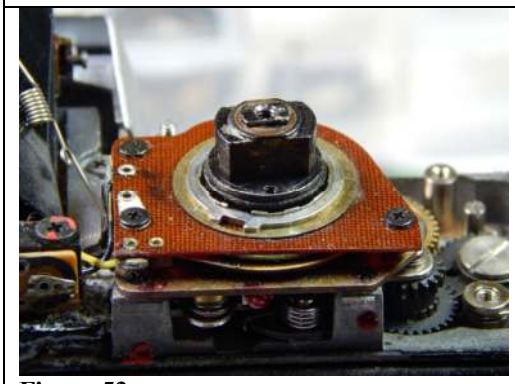

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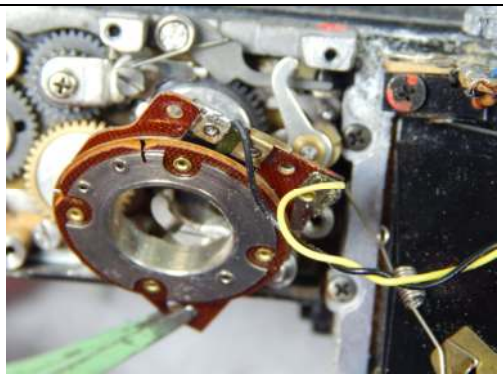
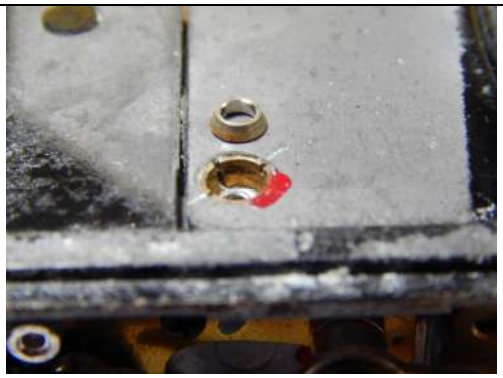


Figure 54

Figure 57



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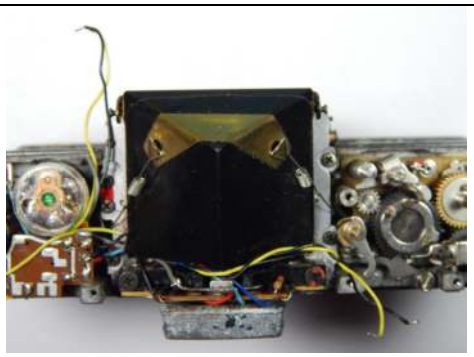

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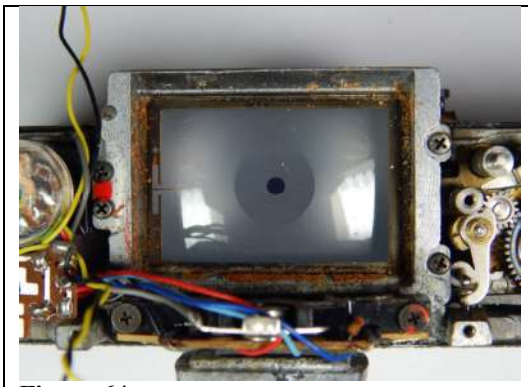

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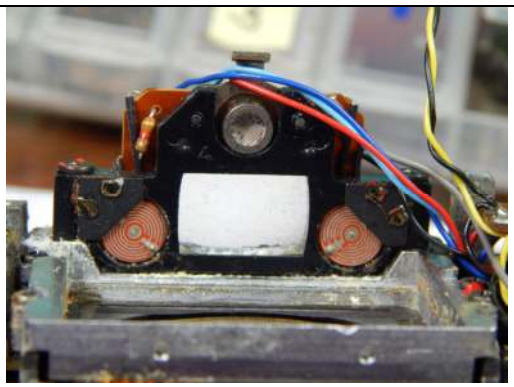

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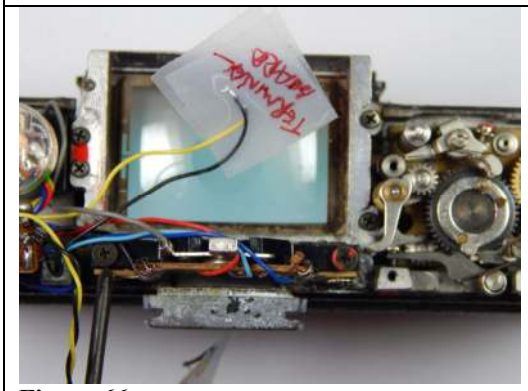

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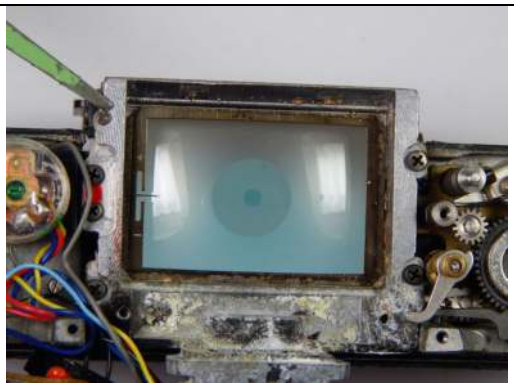
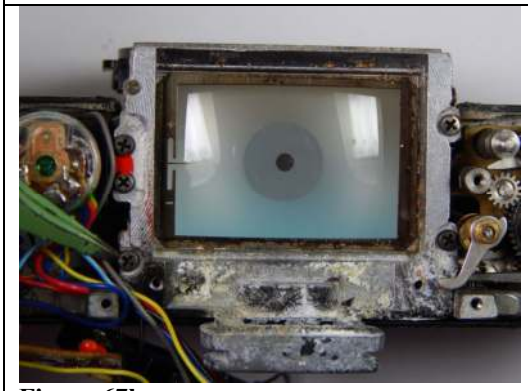


Figure 67a and 77



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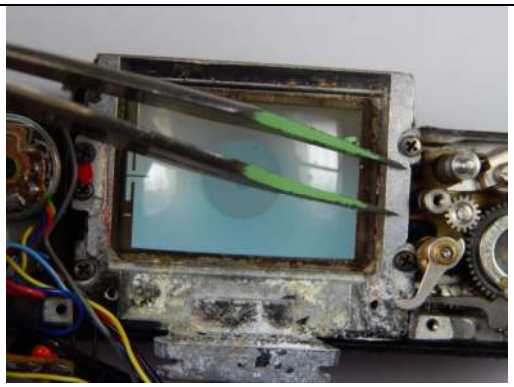

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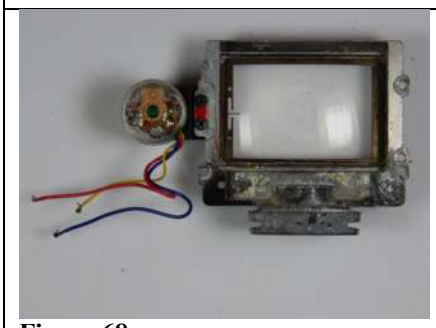

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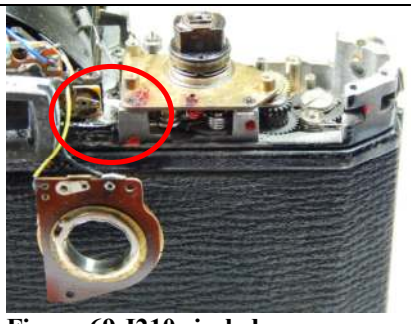


Figure 69 J210 circled

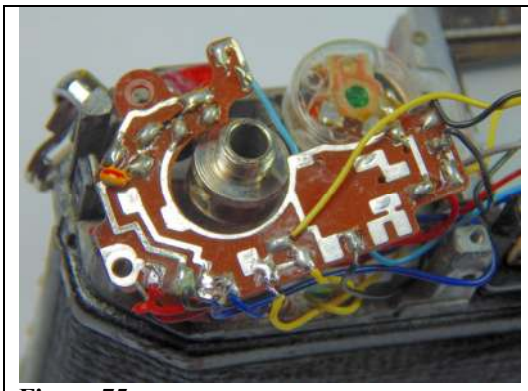


Figure 75

Figure 76 Gray wire from hot shoe

Figure 78

Figure 78

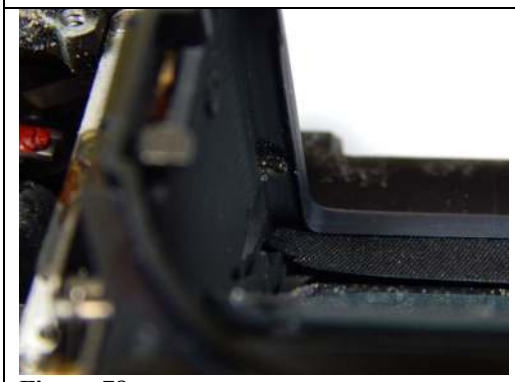


Figure 78

Figure 78

Figure 78

Figure 78

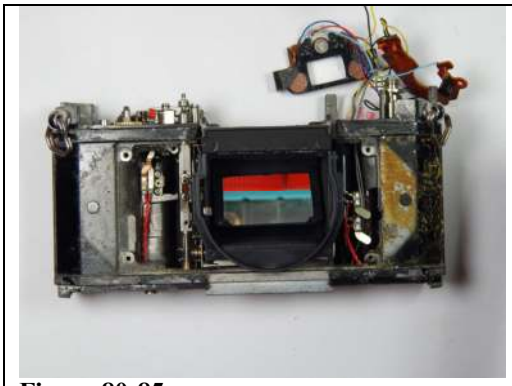


Figure 80-85

Figure 82

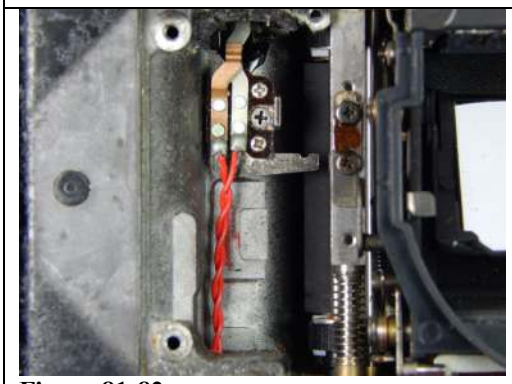
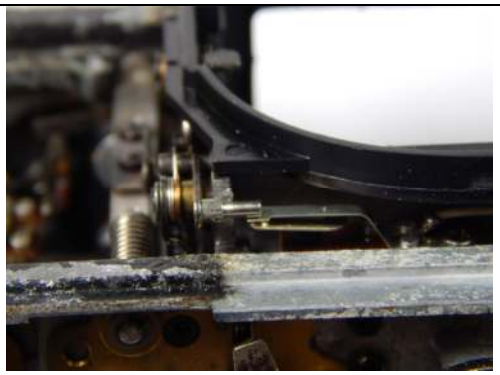


Figure 81-82



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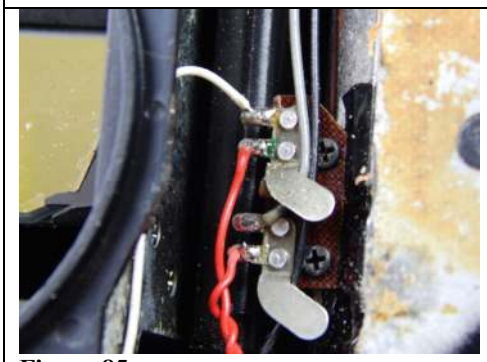


Figure 85

Figure 86

Figure 87 -cocked

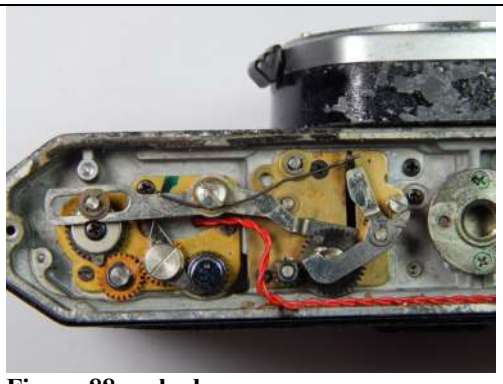
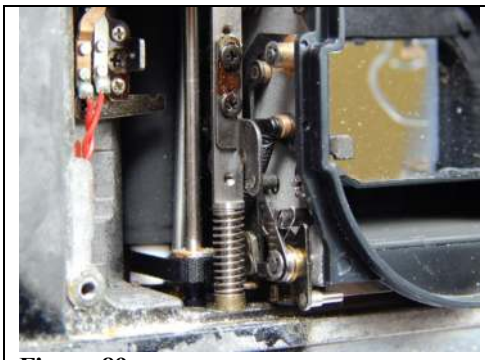


Figure 88 cocked



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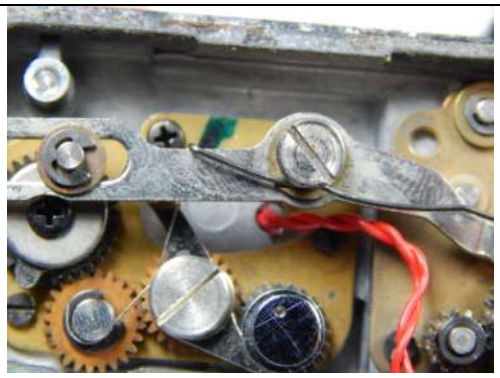

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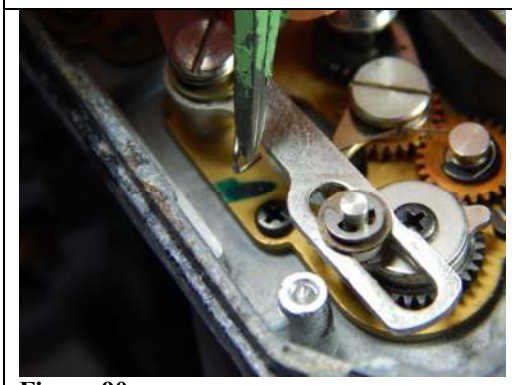


Figure 90a

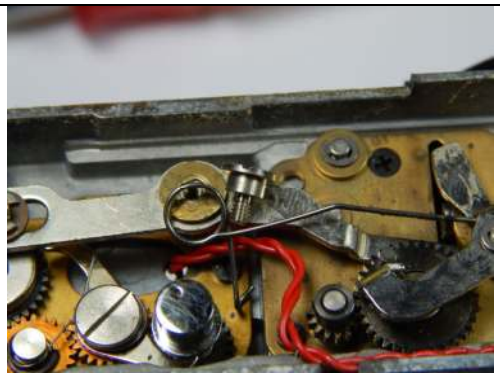
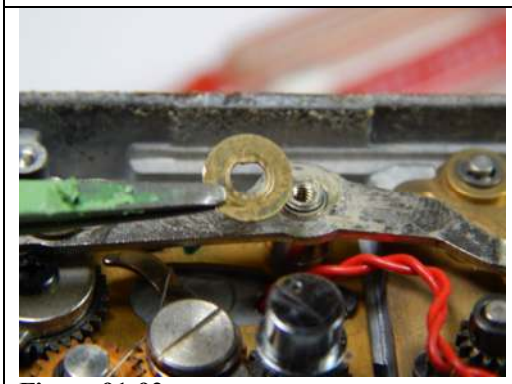


Figure 90b



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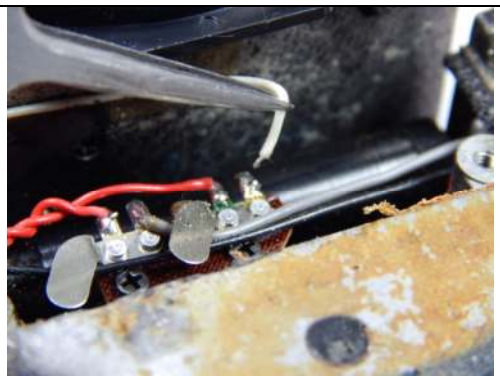
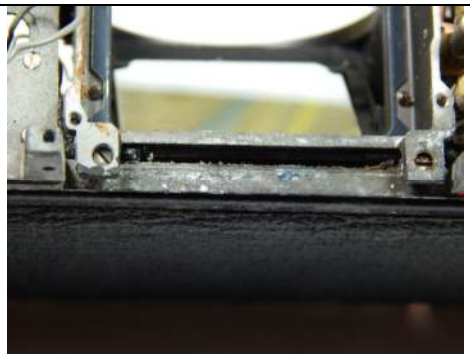


Figure 93

Figure 94



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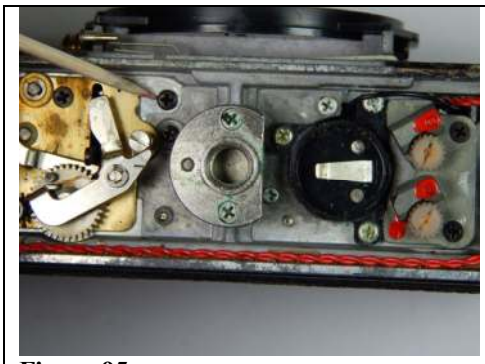

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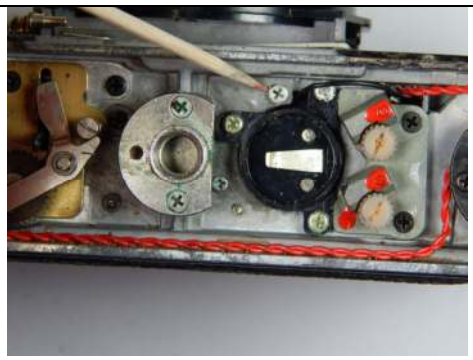

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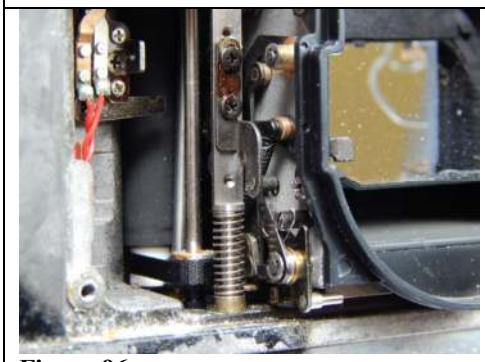

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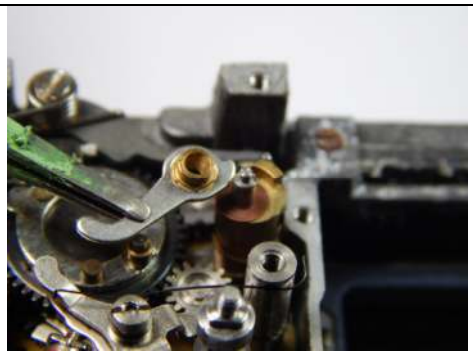


Figure 97

Figure 98

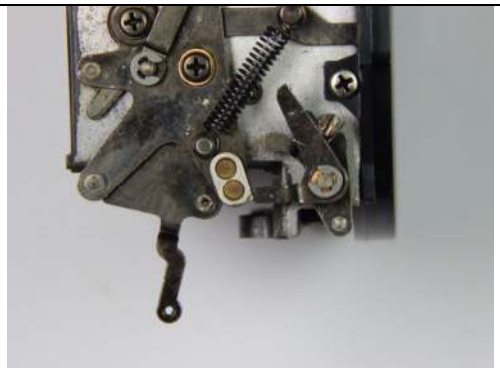


Figure 99-100

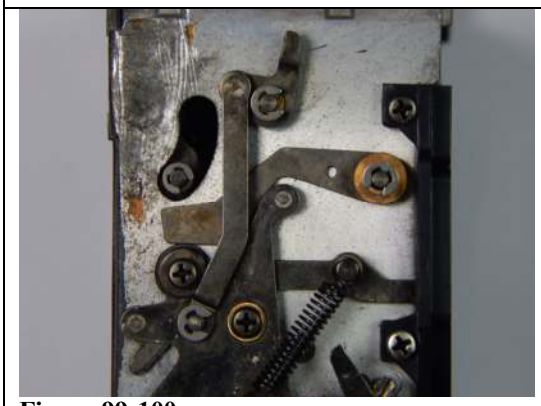


Figure 99-100

Figure 100

Figure 101

Figure 101a

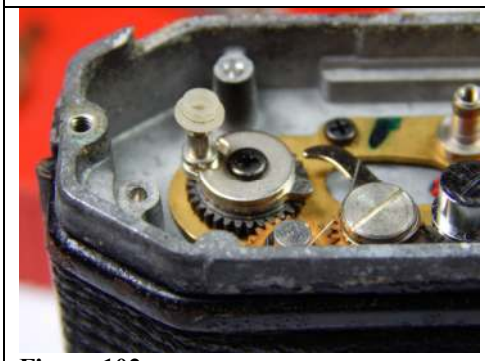
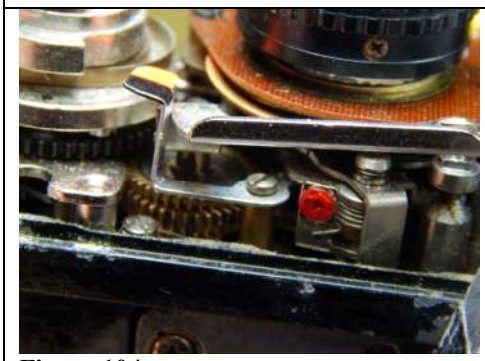


Figure 102

Figure 103



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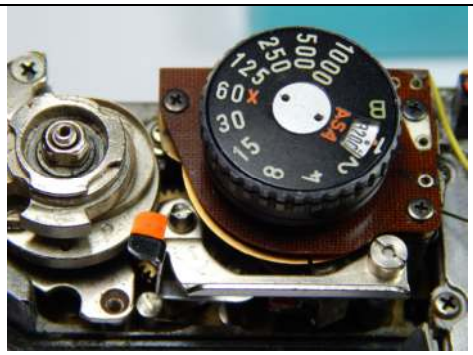

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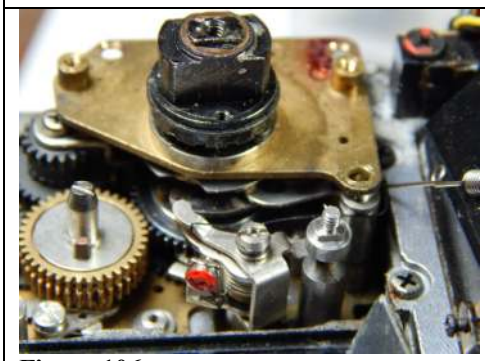


Figure 106

Figure 107

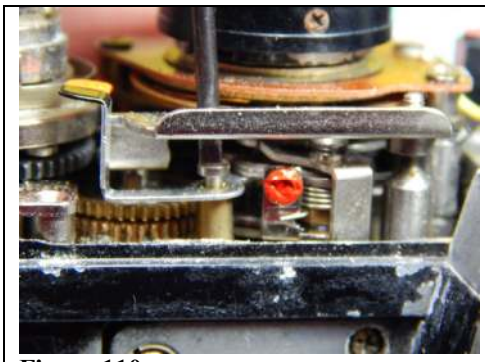
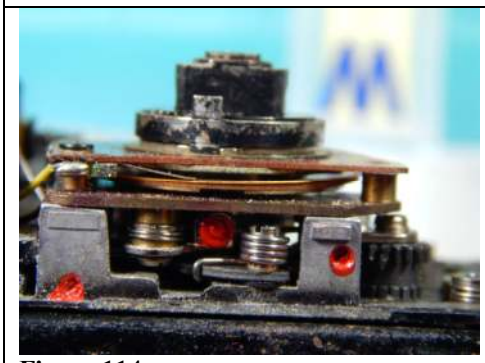


Figure 110

Figure 111-112



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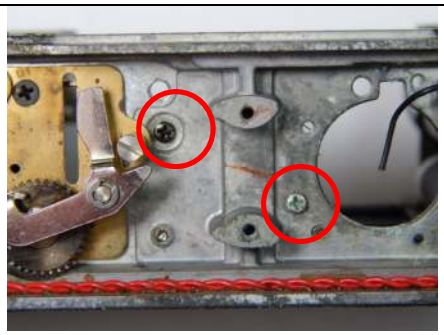


Figure 116

Figure 117

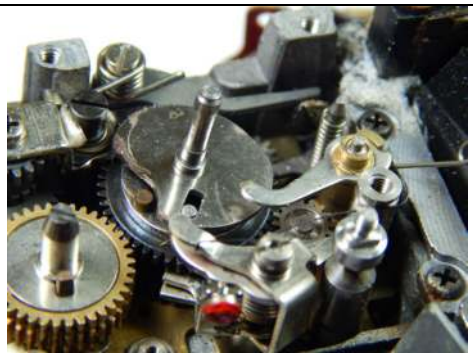


Figure 118

Figure 119

Figure 121

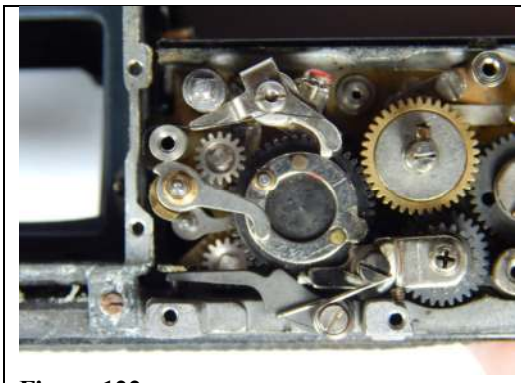
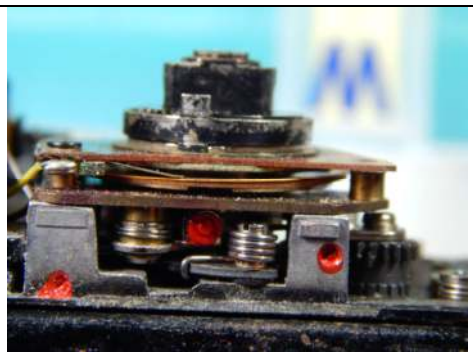


Figure 122



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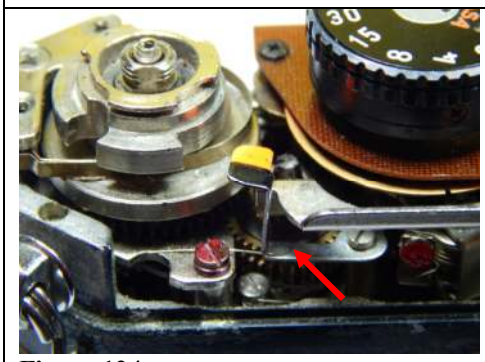

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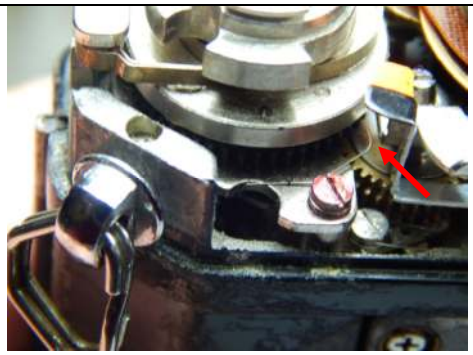


Figure 124a

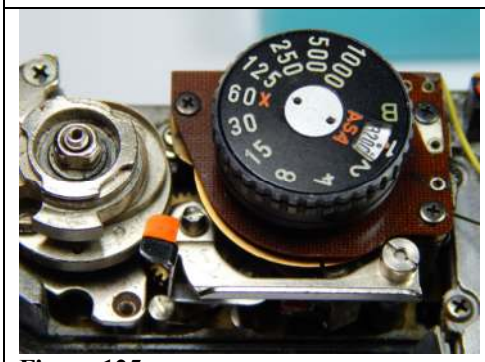


Figure 125

Figure 127

Figure 128

Figure 128a

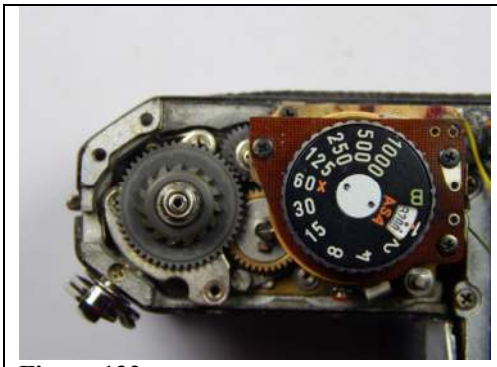


Figure 132

Figure 132a

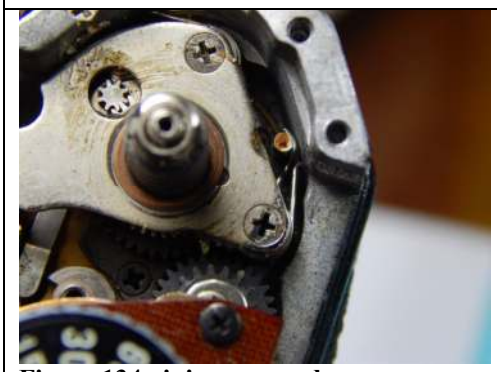


Figure 134 pinion engaged

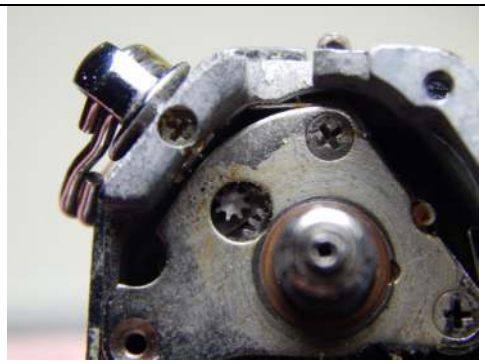


Figure 135 pinion disengaged

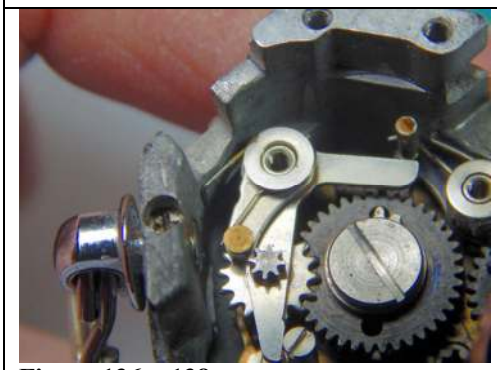


Figure 136 + 138

Figure 137

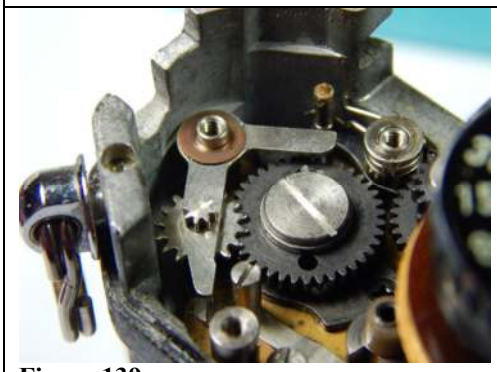
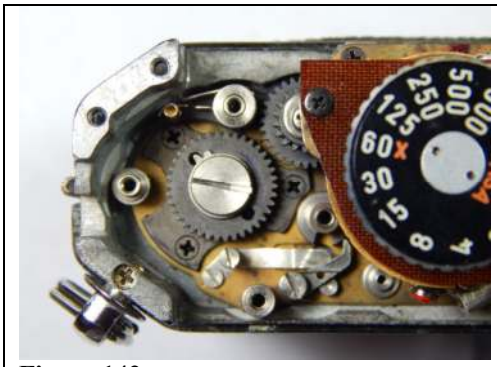


Figure 139

Figure 139a



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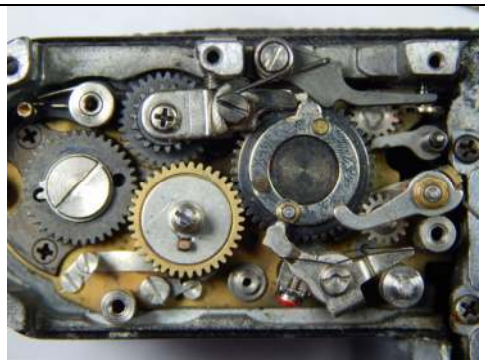
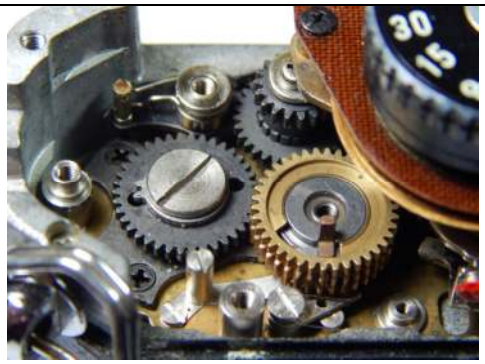


Figure 143

Figure 144



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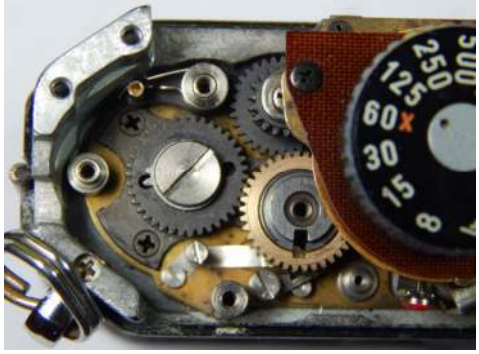

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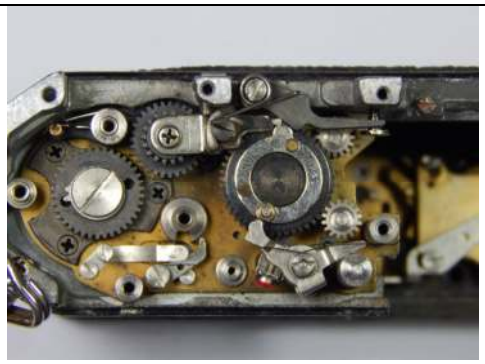

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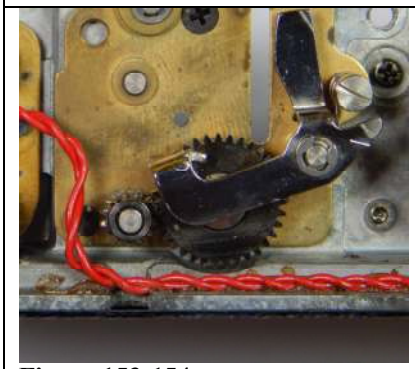


Figure 153-154

Figure 156

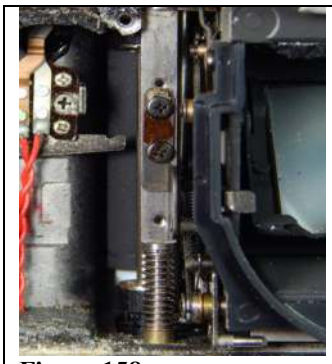


Figure 158

Figure 159

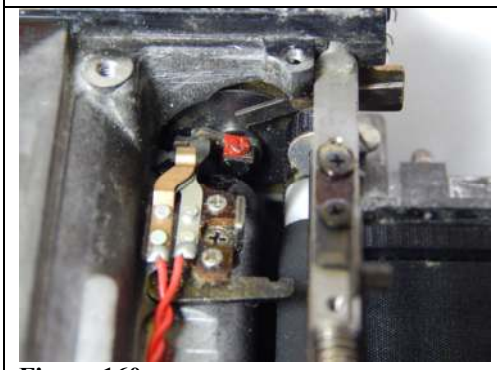
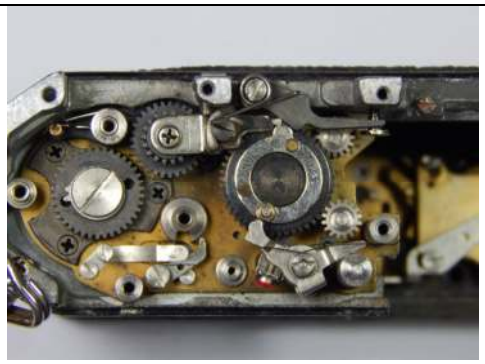


Figure 160



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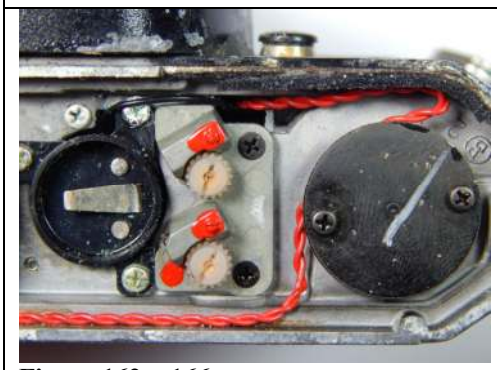


Figure 162 + 166

Figure 165

Figure 198 +201 (Spotmatic)

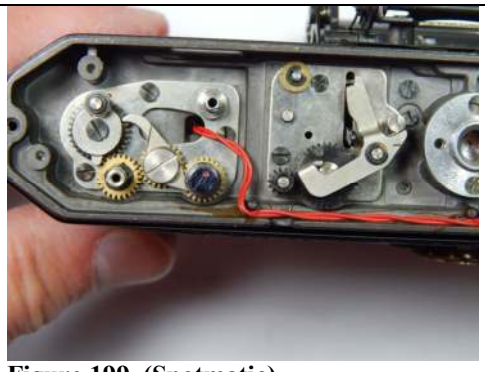
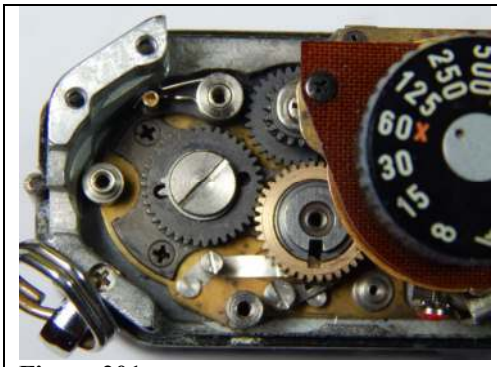


Figure 199 (Spotmatic)



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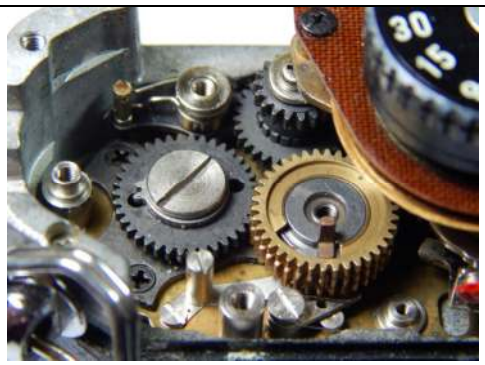

Figure 203

Figure 205

Figure 207

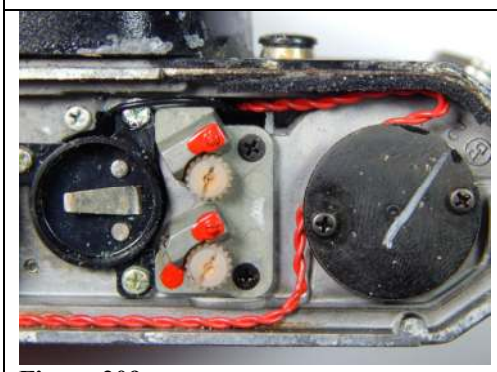

Figure 209

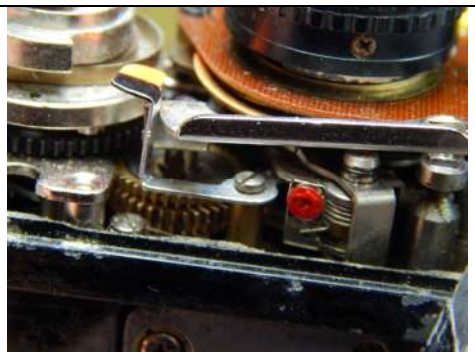

Figure 210

Figure 213-215

Figure 216